

ABSTRACT OF THE DISCLOSURE

A spread spectrum system having data transmitted in a spread spectrum signal. Periodic and quasi-periodic signals which act as interference in the spectrum of interest is effectively filtered out by using a linear predictive coding filter. The LPC filter takes a digitized received spread spectrum signal and generates a set of predictive coefficients and a set of error coefficients. The predictive coefficients represent the interfering periodic and/or quasi-periodic signals. As such, the set of predictive coefficients are discarded. The remaining error coefficients represent what is left over and thereby contains the useful transmitted data found within the spread spectrum signal. The error coefficients are used by the signal processing block to extract the transmitted data.

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